

## PASSIVE TELEMETRY SYSTEM FOR IMPLANTABLE MEDICAL DEVICE

### Abstract

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A telemetry system enabling radio-frequency communications between an implantable medical device and an external device which requires minimal power consumption by the implantable device. The implantable device uses an antenna tuning circuit to vary the impedance of an antenna and phase modulate a carrier signal reflected  
10 back to the external device with digital message data.

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